XXII. *Obſervations on the Heat of the* Bath *and* Briſtol *Water, by Mr.* John Canton, *A. M. F. R. S.*

Bath, Sept. 2, O. S. or the 13th N. S. 1752.

Read July 3, 1767. AFTER pumping about $\frac{1}{4}$ of an hour, a Fahrenheit's thermometer, held in the ſtream from the common pump of the king's bath, was raiſed to 112°. The ſtream from the common pump of the hot bath raiſed it to 114°$\frac{1}{2}$. At the pump of the croſs bath, it ſtood at 110°. At noon, the heat of the ſhaded air was 66°, and of common water expoſed to it 61°. I found the bath water, and common water, brought to the ſame degree of heat, to cool equally faſt. The next day, Sept. 14, I was at the hot-well near Briſtol, the water of which raiſed the thermometer to 76°. In common water expoſed to the ſhaded air it ſtood at 62°.

J. Canton.